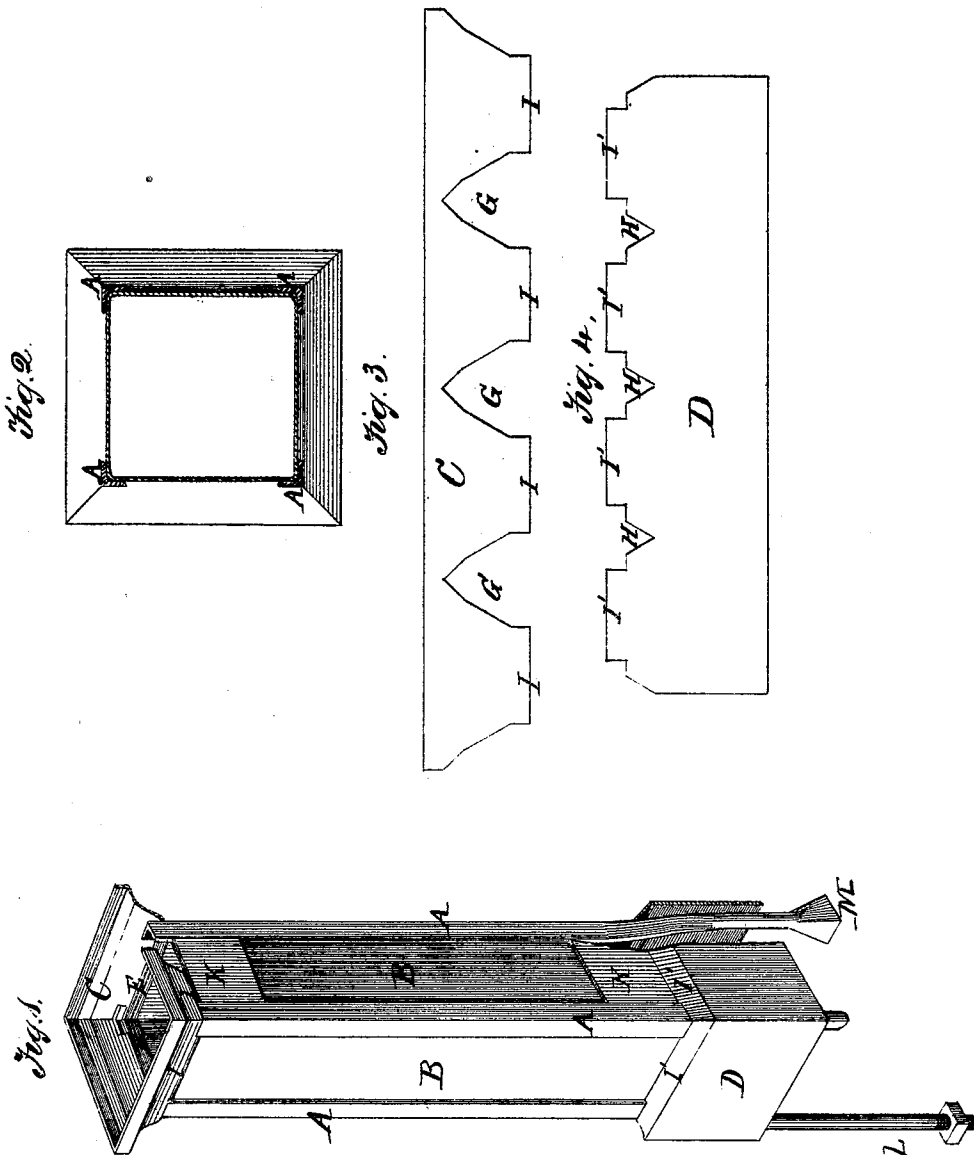


M. M. MANLY.

Improvement in Iron Fence Posts.

No. 126,406.

Patented May 7, 1872.



Witnesses:
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Inventor:
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UNITED STATES PATENT OFFICE.

MARCUS M. MANLY, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR TO HIMSELF AND SAMUEL SELLERS, OF SAME PLACE.

IMPROVEMENT IN IRON FENCE-POSTS.

Specification forming part of Letters Patent No. 126,406, dated May 7, 1872.

To all whom it may concern:

Be it known that I, MARCUS M. MANLY, of Philadelphia, State of Pennsylvania, have invented certain new and useful Improvements in Posts for Railing, &c.; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the annexed drawing making part hereof, in which—

Figure 1 is a perspective view of my invention; Fig. 2, a detached plan of the cap or the base; Fig. 3, a detached view of cap before it is bent into shape; Fig. 4, a detached view of base before it is bent into shape.

My invention consists in the combination, in a hollow post, of a column or shaft formed of vertical strips or bars of wrought-iron or steel, (I prefer that kind of iron known as angle-iron, and have hereinafter described it,) with intermediate panels of sheet metal, with a cap or a base, or a cap and a base, each composed of one sheet or strip of metal, with a molding rolled thereon and mitered before bending, substantially as described in the following specification.

The column or shaft formed by these strips and panels may be square, round, polygonal, or of any desired shape. Instead of the sheet-metal panels above described, panels of wire-work, or of cast-iron, or of cross-bars, may be used in conjunction with the upright strips of angle or curved iron or steel, especially when the post is used for a tree-box. The base and cap may each be made of one piece or strip of metal.

To enable others skilled in the art to make and use my invention, I will describe its construction and operation.

In the drawing, A, Fig. 1, are the strips of angle or curved iron or steel; B, the sheet-metal panels, the column or shaft shown being square; C, the cap; D, the base. E is an inner brace. G and H are miters on the cap and base; I, bevel or molding on cap; I', bevel or molding on base; K, plates to form a more finished panel; L, an elongation of one of the upright strips to secure the post to the foundation; M, another form of terminating the elongated upright strip.

The post is constructed as follows: I first form the column by securing the inner sheet-

metal cylinder or panels B to the upright strips of angle or curved iron or steel A. The cap C and base D are each formed of a strip of metal, out of which the miters G and H are cut, as shown in Figs. 3 and 4, so as to be lapped over, and are then further cut out to receive the upright strips A. The lower edge I of the cap and the upper edge I' of the base are then bent to form the bevel or molding I I', Fig. 1, in the cap and base. Both the cap and base are then bent to the desired shape, square or otherwise. The edges of the bevels I and I' are so bent as to project behind the upper and lower edges of the sheet-metal cylinder or panels B. The base D is then slipped onto the column. The upper edge of the bevel I', being bent upward, enters behind the panels B, while the strips A pass down on the inside of the base D, at its corners or angles when it is a polygon. The cap C is applied in the same manner over the top of the column. Then, if it is desired, interior frames or braces E may be inserted, and riveted or otherwise secured in place at intervals on the inside of the column. These frames are added partly for strength, but more particularly for securing railing to the post when the post is used for railing or fencing. I then prefer to add plates K to form a more finished panel. These may be secured in any desirable way.

The panels B may be cast-iron panels, or open-work of cast-iron or wire-work, crimped or otherwise, or cross-bars; or the sheet-metal panels B may be ornamented by stamping, swaging, pressing, or in any other desired manner. The strips of iron or steel A may also be used to secure the post to the foundation by the elongation of said strips, as shown at L and M, Fig. 1. L is to pass through a timber or other foundation beneath, and be secured at its lower end by a screw-thread and nut. M forms an anchor, to be secured in the foundation by a packing of lead. The cap and base may be ornamented as desired. The strips A may pass up through the cap and form a support for a lamp; or the lamp may be set on the cap.

The term angle iron or steel here used is meant to describe that kind of strip iron or steel a cross-section of which would be an angle; but I wish it to be understood that I in-

clude strip iron or steel whose cross-section would show a curve.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

The combination, in a hollow post, of a column or shaft formed of vertical strips or bars of wrought-iron or steel, with intermediate metallic panels, with a base or a cap, or a base

and cap, each composed of one sheet or strip of metal, with a molding rolled thereon and mitered before bending, substantially as described.

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Witnesses:

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